

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A grid for the absorption of X-rays comprising: a plurality of layers, at least one of the plurality of layers comprising at least two wire elements that are separate from each other and are spaced apart in the at least one of the plurality of layers, said grid being focused relative to an X-ray source for allowing the X-ray quanta emitted by the X-ray source that are characteristic of the attenuation of an irradiated object to pass therethrough and for absorbing scattered radiation.

2. (previously presented) A grid as in claim 1, wherein the at least two wire elements in said each one of the plurality of layers are arranged so as to extend parallel to one another.

3. (previously presented) A grid as in claim 1, wherein the at least two wire elements of a first one of the plurality of layers and a wire element of a second one of the other plurality of layers are arranged so as to extend at right angles to one another.

4. (previously presented) A grid as in claim 1, wherein the at least two wire elements comprise one of a round and a polygonal cross-sections.

5. (previously presented) A grid as in claim 1, wherein an adjacent pair of wire elements of the at least two wire elements in the at least one of the plurality of layers are spaced apart by a distance which differs from a distance between a different pair of the at least two wire elements in one of the at least one of the plurality of layers and another one of the plurality of layers.

6. (previously presented) A grid as in claim 1, wherein the at least two wire elements of a plurality of successive layers of the plurality of layers are oriented in one direction.

7. (currently amended) A grid as in claim 1, wherein the plurality of layers is focused onto a focus of the X-ray source.

8. (previously presented) A grid as in claim 1, wherein the at least two wire elements comprise one of a material which can absorb X-rays and a coating of material which can absorb X-rays.

9. (previously presented) A grid as in claim 1, wherein the plurality of layers is provided with an X-ray transparent auxiliary substance in order to secure the at least two wire elements.

10. (currently amended) An X-ray examination apparatus comprising:
an X-ray detector arranged and dimensioned for detecting X-ray quanta emitted by an X-ray source that are characteristic of the attenuation of an irradiated object; and
a grid for the absorption of X-rays arranged in front of the X-ray detector, the grid comprising a plurality of layers, at least one of the plurality of layers comprising a plurality of wire elements that are separate from each other and are spaced apart in the at least one of the plurality of layers, said grid being focused relative to the X-ray source for allowing the X-ray quanta emitted by the X-ray source that are characteristic of the attenuation of an irradiated object to pass therethrough to said X-ray detector and for absorbing scattered radiation.

11. (previously presented) An apparatus as in claim 10, wherein the at least two wire elements in said each one of the plurality of layers are arranged so as to extend parallel to one another.

12. (previously presented) An apparatus as in claim 10, wherein the at least two wire elements of a first one of the plurality of layers and a wire element of a second one of the other plurality of layers are arranged so as to extend at right angles to one another.

13. (previously presented) An apparatus as in claim 10, wherein the at least two wire elements comprise one of a round and a polygonal cross-sections.

14. (previously presented) An apparatus as in claim 10, wherein an adjacent pair of wire elements of the at least two wire elements in the at least one of the plurality of layers are spaced apart by a distance which differs from a distance between a different pair of the at least two wire elements in one of the at least one of the plurality of layers and another one of the plurality of layers.

15. (previously presented) An apparatus as in claim 10, wherein the at least two wire elements of a plurality of successive layers of the plurality of layers are oriented in one direction.

16. (currently amended) An apparatus as in claim 10, wherein the plurality of layers is focused onto a focus of the X-ray source.

17. (previously presented) An apparatus as in claim 10, wherein the at least two wire elements comprise one of a material which can absorb X-rays and a coating of material which can absorb X-rays.

18. (previously presented) An apparatus as in claim 10, wherein the plurality of layers is provided with an X-ray transparent auxiliary substance in order to secure the at least two wire elements.

19. (new) A grid as in claim 1, wherein each of the plurality of layers includes a plurality of parallel wire elements, wherein the plurality of layers includes an upper layer and a lower layer, the parallel wire elements of the upper and lower layers extending in the same direction, wherein adjacent ones of the parallel wire elements of the upper layer are spaced apart by a first distance, and adjacent ones of the parallel wires elements of the lower layer are spaced apart by a second distance, the first distance being different than the second distance.

20. (new) An apparatus as in claim 10, wherein each of the plurality of layers includes a plurality of parallel wire elements, wherein the plurality of layers includes an upper layer and a lower layer, the parallel wire elements of the upper and lower layers extending in the same direction, wherein adjacent ones of the parallel wire elements of the upper layer are spaced apart by a first distance, and adjacent ones of the parallel wires elements of the lower layer are spaced apart by a second distance, the first distance being different than the second distance.